A Local Report Entry System for Governmental Collection of Medical Adverse Events

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Abstract

Japanese government started the governmental collection of medical adverse events in October 2001. That provides data entry methods by hospitals, not by departmental risk managers. It was the barrier to wide spread. A Local Report Entry System was developed, which allowed risk managers to report by their HIS terminals with its user-friendly graphical user interface.

Problem

The Ministry of Health, Labour and Welfare (MHLW) of Japan started the governmental collection network of medical adverse events in October 2001. That provides two data entry methods. One was a web-based data entry using MHLW server. The other was a local data entry system to create a CSV file. However, both method did not allow departmental risk managers to report any event by themselves.

Purpose and Solution

This conventional method might need additional typist to input reports. To avoid this problem, Nagasaki University Hospital has developed integrated local incident entry system which also create the CSV file. Risk managers in each ward and division report the events using their HIS terminal. Department of medical safety management gathers these reports, checks them and converts the CSV file with no additional effort.

Result

Since May 2002, over 50 reports are sent to MHLW monthly. The system works as a stand-alone application. It has simple, user-friendly graphical user interface. Departmental reports are exported to CSV file. The CSV file is transported via floppy disks, File Server, and E-Mail, and then imported by department of medical safety management. The encryption of CSV file will be effective to keep security. It also works under the client-server architecture with enough software licenses. The scalability makes it applicable from small clinic to large hospital.

Conclusion

Japanese government is going to spread the collection widely to all medical institution. This system will help medical staff's load to report events.